

Claims

1. A spur cylinder (18) with at least one spur strip (08, 09, 11), wherein at least one deflector (21, 22, 23), which can be extended at least at times from the spur cylinder (18), is arranged, wherein the deflector (22) is arranged between an end section of a released signature (16) and extended spur needles of a spur strip (08) supporting another signature (17).

2. The spur cylinder (18) in accordance with claim 1, characterized in that the deflector (21, 22, 23) can be retracted into and extended from the spur cylinder (18).

3. A spur cylinder (18) with at least one spur strip (08, 09, 11), wherein at least one deflector (21, 22, 23), which can be extended at least at times from the spur cylinder (18), is arranged, wherein in the course of a rotation after a passage through a transfer gap (03), which the spur cylinder (18) forms with a folding jaw cylinder (02) cooperating with it, the deflector (21, 22, 23) is arranged to cover the spur needles, wherein in the course of a subsequent rotation the deflector (21, 22, 23) is retracted, with the spur strip (08, 09, 11) retracted, following a passage through a transfer gap (03), which the spur cylinder (18) forms with a folding jaw cylinder (02) cooperating with it.

4. The spur cylinder (18) in accordance with claim 3, characterized in that in the extended state the deflector (22) is arranged between an end section of a released signature (16) and the extended spur needles of the spur strip (08) supporting another signature (17).

5. The spur cylinder (18) in accordance with claim 2 or 3, characterized in that a cam disk (19) is arranged for controlling the deflector (21, 22, 23).

6. The spur cylinder (18) in accordance with claim 1 or 3, characterized in that the deflector (21, 22, 23) is a strip (21, 22, 23) extending axis-parallel in respect to the spur cylinder (18).

7. The spur cylinder (18) in accordance with claim 1 or 3, characterized in that the deflector (21, 22, 23) is a comb, whose teeth are assigned to spur needles of one of the spur strips (08, 09, 11).

8. The spur cylinder (18) in accordance with claim 1 or 3, characterized in that the deflector (21, 22, 23) is arranged so it radially projects past the spur needles of one of the spur strips (08, 09, 11).

9. The spur cylinder (18) in accordance with claim 8, characterized in that the deflector (21, 22, 23) covers the spur needles at least at times.

10. The spur cylinder (18) in accordance with claim 1 or 3, characterized in that the deflector (21, 22, 23) is arranged ahead in the direction of rotation of the spur strip (08, 09, 11) supporting the other signature (17).

11. The spur cylinder (18) in accordance with claim 1 or 3, characterized in that the spur cylinder (18) is arranged in a folding apparatus.

12. The spur cylinder (18) in accordance with claim 1, characterized in that, following the passage through a transfer gap (03) which the spur cylinder (18) constitutes together with a folding jaw cylinder (02) cooperating with it, the deflector (21, 22, 23) is arranged to cover the spur needles.

13. The spur cylinder (18) in accordance with claim 1, characterized in that, following the passage through a transfer gap (03) which the spur cylinder (18) constitutes together with a folding jaw cylinder (02) cooperating with it, the deflector (21, 22, 23) is retracted with the spur strip (08, 09, 11) being retracted.

14. The spur cylinder (18) in accordance with claim 1 or 3, characterized in that the deflector (21, 22, 23) has an inclined face (24), which extends from a shell face of the spur cylinder (18) in a direction opposite a direction of rotation.

15. The spur cylinder (18) in accordance with claim 1, 3 or 12, characterized in that the deflector (21, 22, 23) is arranged at least within an angular range α of between 30°C to 45°C in respect to a straight line (26) determined by the axes of rotation of the spur cylinder (18) and the folding jaw cylinder (02) to cover the spur needles.

16. The spur cylinder (18) in accordance with claim 15, characterized in that the deflector (21, 22, 23) is arranged at least within an angular range α of between 30°C to 60°C in respect to a straight line (26) determined by the axes of rotation of the spur cylinder (18) and the folding jaw cylinder (02) to cover the spur needles.